

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/482,788

OIPE

D. Thompson
#3 4-14-00
Sequence/Heating
DATE: 02/08/2000
TIME: 14:19:30

Input Set: I482788.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

ENTERED

1 <110> APPLICANT: Randy M. Berka
2 Michael W. Rey
3 Wendy T. Yoder
4 <120> TITLE OF INVENTION: Methods For Producing Polypeptides In
5 Cyclohexadepsipeptide-Deficient Cells
6 <130> FILE REFERENCE: 5778.200-US
7 <140> CURRENT APPLICATION NUMBER: US/09/482,788
8 <141> CURRENT FILING DATE: 2000-01-13
9 <150> EARLIER APPLICATION NUMBER: 09/229,862
10 <151> EARLIER FILING DATE: 1999-01-13
11 <160> NUMBER OF SEQ ID NOS: 4
12 <170> SOFTWARE: FastSEQ for Windows Version 3.0
13 <210> SEQ ID NO 1
14 <211> LENGTH: 11212
15 <212> TYPE: DNA
16 <213> ORGANISM: Fusarium
17 <400> SEQUENCE: 1
18 aattagattc cactagtagc ccattgtaga atcaaggcca agatatgaac aacccataag 60
19 taacggcgat cctgtctcat gtatccaaaa ataagagaca cgcatattc actgctttgc 120
20 agatctttct tcaaattctt ccctcgagaa gctactggga tgaatgagtc tcttggtca 180
21 gattagatat attcactgta tctgccgaat agactttgcc tggtagcatt aacgttccta 240
22 tattctatta tcaaattcctt acattcaata tgggaatatct tactgctgtc gatggtaggc 300
23 aagacctgcc acctacacca gcttcgtttt gtagtcatgg agatagtccc ctcaatagct 360
24 cttacgagca actcttccat ctctatggtc tggattcgag tcgcatcgaa gctatcaaac 420
25 catgcacacc tttccagctt gacatgatcg actgcaatgc tttggataag cagtctgcta 480
26 tcggccatgc ggtgtatgat gtcccaaccg acattgacat ctctcgtttc gcgcttgctg 540
27 ggaaggagat cgtcaaccaa accccagcct tgcgagcctt tgccttcacc tcggactctg 600
28 gaaagacttc tcaagtcata ctaaaagata gctttgtctt ctcatggatg tgctggtctt 660
29 cttcgagctc cccagatgaa gtgggttcggg atgaagctgc cgtcgtgca tccgggccac 720
30 gctgcaaccg cttcgttcta cttgaagaca tgcagacgaa gaaatgtcag ctggtttgga 780
31 ccttcagtca tgcattggta gacgtcactt tccaacaacg cgtcctgagc cgtgttttgc 840
32 cggcttacia gcatgagaag gacacacatc ggcttgagac acccgagtca tctgatgcca 900
33 ctgacactga ctctcagtca gtctccgtgg tgtccatgag ctgcgaggac aatgccgtat 960
34 cggcgactca tttctggcaa actcacctta acgatctcaa tgcgtccgtc ttccctcacc 1020
35 tgtctgacca cctgatgggtg cccaacccaa ctacaacagc agagcatcgt atcacattcc 1080
36 ctctttcaca gaaagcacta tccaattctg ccatctgccg tactgcactc tcaatactcc 1140
37 tctcgcgcta cactcactct gacgaggcct tgtttggtgc ggtaactgag caatctctac 1200
38 catttgacaa acactatctt gcagatggta cgtaccaaac agttgcacc cttcgtgtac 1260
39 actgccaatc aaatcttcgt gcacagatg tcatggatgc aatctcttct tacgatgatc 1320
40 gccttggtca tctcgcacca tttggccttc gcgacatccg caacactggg gataatggct 1380
41 ctgccgcctg cgatttccaa actgttttac tgcgcaccga tggcagccac gtaaacaatg 1440
42 gtatcaacgg tttcctccaa cagataacag agtcaagcca tttcatgcct tgcaacaacc 1500
43 gtgccctcct tctgcaactg cagatggaaa gtacgggagc tctgctggtt gcctactatg 1560
44 accacaatgt tatcgattcg cttcagacaa cgcgtctgct acagcagttt ggtcatctga 1620

PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/482,788

DATE: 02/08/2000

TIME: 14:19:30

Input Set: I482788.RAW

45	tcaagtgttt	gcaaagtcct	ctagacctga	gctctatggc	tgaggtcaac	ttgatgactg	1680
46	agtatgacag	agcagagatt	gagagtgtga	actcgcaacc	gttagaggta	caggataccc	1740
47	tgatccacca	tgagatgttg	aaagctgttt	ctcattcccc	cacccaaacg	gccatccaag	1800
48	cgtgggatgg	agactggacc	tattccgagc	tcgacaatgt	ttcgtcaaga	ctcgtgtgcc	1860
49	atatcaagtc	acttggcctt	agagctcagc	aagccattat	tccagtctac	tttgagaagt	1920
50	cgaaatgggt	cattgcttca	atgctggctg	ttctcaagtc	tggtaatgct	ttcactctaa	1980
51	ttgatcccaa	tgatccacca	gctcgaactg	cccaggtcgt	cacgcagact	cgggcgactg	2040
52	tagcgcttac	ttccaagcta	caccgcgaga	ctgtacagaa	gcttgtaggc	cgttgcgttg	2100
53	tggttgatga	cgagcttctg	caatcagttt	ctgccagcga	cgatttctca	agtctgacca	2160
54	aatcgcaaga	cttggcctac	gtgatcttca	cttctggtag	cacgggcgac	ccgaaaggca	2220
55	tcatgattga	acaccgagcg	ttctcatcat	gtgcactcaa	gttcggcgcg	tctcttggca	2280
56	tcaactctga	tactcgtgcc	ctacaatttg	gaacccatgc	ctttggcgca	tgtcttctcg	2340
57	agattatgac	tactctcatc	aacggtggct	gcgtttgtat	tccctccgac	gatgatcgta	2400
58	tgaacagtat	cccgctcctt	atcaaccgat	acaacgttaa	ttggatgatg	gcgacacctt	2460
59	cgtacatggg	aaccttttca	cctgaagacg	ttcctggcct	tgcgacattg	gtacttgttg	2520
60	gggagcagat	gtcatcttca	gtcaacgcaa	tctgggcccc	caagctccaa	ctcttgaacg	2580
61	ggtacggaca	gagtgaagt	tcctcaattt	gttttgcttc	caatatgtca	actgagccca	2640
62	acaacatggg	cagagcagtc	ggagctcatt	catgggtcat	tgacccgaac	gatataaacc	2700
63	gactagtacc	gattggagct	gtgggagaac	tggtcattga	gagtcaggc	attgcccgcg	2760
64	actacattgt	ttccccctt	ccggagaagt	ccccattctt	cacagacatt	ccaagctggt	2820
65	atccagcgaa	cacgtttcct	gatggggcaa	aactctacag	gacaggagat	cttgcaagat	2880
66	atgcttccga	tgggtccatc	gtttgccttg	ggcgcataga	ctcgcaggtc	aagatccggg	2940
67	gacagcgtgt	tgagctgggt	gccattgaga	cccatctccg	acagcagatg	ccagacgact	3000
68	tgactattgt	ggtagaagct	accaagcgat	cccaatctgc	caacagcaca	tccttaattg	3060
69	cattcctaata	agggctcttct	tacttcggaa	atagaccctc	ggatgccac	attctggacc	3120
70	atgatgctac	caaagctatc	aacataaagc	tggagcagggt	attgcctcga	cactctatcc	3180
71	cctcattcta	catctgcatg	ctggagcttc	cacgtactgc	caccgggaag	atagatagga	3240
72	ggcgactacg	aatcatgggc	aaagacatct	tggacaagca	gacccaaggg	gccattgttc	3300
73	aacaagcacc	cgctcctatc	cctgttttcg	cagacacagc	agcaaagctc	cacagtatct	3360
74	gggtacagag	tttgggtatc	gatccagcca	cgggtcaatgt	tggggcaact	ttcttcgaac	3420
75	tcggaggaaa	ctctatcact	gctatcaaga	tggtgaacat	ggcgagggtcc	gttggatagg	3480
76	acctcaagggt	ctctaaccatc	taccagcacc	cgacgcttgc	gggaatttcc	gcggctcgta	3540
77	aggggtgatcc	tctgtcctac	actctcatcc	ccaagtcaac	tcatgagggg	cctgttgagc	3600
78	agtcttattc	acaaggccga	ctatggttcc	tggtacagtt	ggacgttggc	agtctgtggt	3660
79	atctgattcc	atatgctgtg	agaatgcgcg	ggcctgtcaa	tgtcgacgcg	ttacgtcggg	3720
80	ctcttgacgc	gcttgaacag	cgacacgaga	ctcttagaac	gacatttgaa	gaccaggatg	3780
81	gtgtcgggtgt	acaaattggt	cacgagaagc	tttctgagga	gatgaagggtc	attgatctct	3840
82	gtggttcaga	ccttgacccg	tttgagggtgt	tgaaccaaga	acagactact	cccttcaatc	3900
83	tctcatctga	agctggcttg	agagcgacgc	tcttacgact	tggtgaagat	gaccacatcc	3960
84	tcaactattgt	catgcatcac	atcatctcag	atggttggtc	aattgatgtc	ttgcgacgcg	4020
85	atctcaatca	gctctactca	gctgcgctca	aggactcaaa	agacccgctg	tcagcactca	4080
86	ctcctctacc	tatccagtac	agcgactttg	caaaatggca	gaaggaccaa	ttcatagagc	4140
87	aggagaagca	actcaactac	tggagaagc	aactcaaaga	ctcttcccca	gcaaagatcc	4200
88	cgaccgactt	tgcgcgcctt	gcacttctgt	ctggagacgc	aggttgcgta	catgttacca	4260
89	tcgacggcga	gctctaccag	ttccttcgag	ccttctgcaa	cgaacacaac	acgacctctt	4320
90	tcgtcgttct	tctagctgcg	ttccgtgccg	ctcattatcg	tctcacagct	gttgaagacg	4380
91	ctgtcattgg	tacaccaatt	gcgaatcgca	accgacctga	actggaggat	atcatcggtc	4440
92	gctttgtcaa	tacgcagtg	atgcgaatca	acatagatca	tcacgatacc	tttgggactt	4500
93	tgatcaacca	agtcaaggct	acgacgacag	cagcattcga	gaacgaggat	attccgtttg	4560
94	agcgcgttgt	atcagcacta	cagcctggat	ccagagatct	gtcaagcaca	cctctcgcac	4620

PAGE: 3

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/482,788

DATE: 02/08/2000
TIME: 14:19:30

Input Set: I482788.RAW

95	aactcatttt	tgcagtgcac	tcacagaagg	accttggaag	attcaagttc	caggggtctcg	4680
96	agtccgtacc	tgtgcctagc	aaagcgtaca	ctcgatttga	catggagttc	catctgtttc	4740
97	aagaaaccga	cagccttaaa	ggtagcgtca	actttgccga	tgagctgttc	aaaatggaga	4800
98	ctgttgaaaa	tgtcgtcaga	gtattctttg	agattctgag	aaacgggctt	caaagtctgc	4860
99	ggacaccagt	ctcaatactt	cctttgactg	atggcattgt	gactcttgaa	aaattggatg	4920
100	ttctcaacgt	caaacatgtc	gactatcccc	gagaatcgag	cttggctgat	gtcttcacga	4980
101	cccaagtctc	tgtttacccc	gatagtctgg	ctgtgggtga	ctcctcgtgc	cgattgacct	5040
102	acaccgagtt	ggatcgccag	tctgatattc	tcgctggatg	gcttcgtcga	cggtcaatgc	5100
103	ctgcagagac	gcttgctcga	gtatttgccc	cacggtcatg	tgagacaatt	gtcgcgttct	5160
104	ttgggtgtgt	gaaggcgaac	ttggcctatc	ttcctctcga	tgtacgatcg	ccctcggcga	5220
105	gagttcagga	tatactttct	ggactttctg	ggcctaccat	tgttttgatt	ggccatgata	5280
106	cagcgccctc	cgatatcgag	gttactaacg	tcgagtttgt	tcgtatccgg	gatgcgctga	5340
107	atgacagcaa	tgcagatggc	tttgaagtca	tcgagcacga	cagcacaaaag	ccctcagcca	5400
108	cgagtctcgc	atacgtgctg	tatacctcag	gatccactgg	ccgacccaaa	ggcgtcatga	5460
109	ttgagcaccg	tgtcattatt	cgaacagtca	caagtggctg	tatacccaac	tatccttcgg	5520
110	aaacgaggat	ggctcacatg	gcgaccattg	cgtttgacgg	cgcatcgtac	gagatctaca	5580
111	gcgccttttt	gttcggaagg	acacttgttt	gcgttgacta	catgacaacc	ctcgacgcta	5640
112	gagcactcaa	ggatgtgttt	ttccgagagc	atgtcaacgc	ggcaagtcat	gtcaccagct	5700
113	cttctcaaga	tgtacctctc	cgagtcccga	gaaggctctc	gagaaccttg	atgttcttct	5760
114	tcttggtggg	gacagattcg	acggccccag	atgctctcga	tgcgcaggga	ctttatcaag	5820
115	gggtccagtg	ttacaatggg	tacggcccaa	cagagaatgg	agtcatgagt	acaatctatc	5880
116	ccattgactc	gactgagtcg	ttcatcaatg	gagtcaccaat	tggacgagct	ctgaacaact	5940
117	caggagcgta	tgtcgtggat	cctgagcaac	agcttggttg	cattgggtgtg	atgggagagc	6000
118	ttgttgtcac	tggcgatggg	cttgccgggg	gctacagtga	caaagccctt	gacgagaacc	6060
119	gttttgtagc	cattactgtc	aatgaccaga	cagtgaaggc	gtatcgcaact	ggcgatcgag	6120
120	tgcggtacag	gattggagat	ggcctcatcg	agttcttcgg	acgtatggac	accagtttca	6180
121	agattcgtgg	caatcgatc	gaatcagctg	agattgaagc	ggcccttctg	cgcgactcct	6240
122	ccgtccgaga	tgtctgtgtc	gtccttcagc	agaatgagga	tcaagcgcc	gagatcttgg	6300
123	ggtttggtgt	tgtctgatcat	gatcattctg	agaatgacaa	gggacaatct	gccaatcaag	6360
124	tcgaaggatg	gcaagaccat	ttcgagagtg	gcatgtattc	cgacattggc	gaaattgacc	6420
125	cgtcgacgat	tggtagcgac	ttcaaggggt	ggacatcaat	gtatgatgga	agtcaaatcg	6480
126	acttcgatga	gatgcacgag	tggcttggtg	agactaccgg	gacactccat	gacaatcgct	6540
127	ctctaggcaa	tgtccttgaa	attggaacag	gtagcggcat	gatcctcttc	aaccttgaca	6600
128	gcaggcttga	gagttacgtt	ggtcttgaa	catccagatc	agcagctgca	tttgtcaaca	6660
129	aagctaccga	gtctatacca	tcgcttgctg	gaaaagccaa	ggttcagggt	ggaacagcta	6720
130	cagatattgg	tcaagtcgat	gacttacacc	ctgacctcgt	ggttctcaac	tcagtcatc	6780
131	agtattttcc	gtcttcggag	taccttgag	aaatcgcaga	caccttgatt	catctgccta	6840
132	acgtgcagcg	gattttcttt	ggcgatgtcc	gatcgaggc	caccaacgag	cacttccttg	6900
133	ctgccagggc	tatccacaca	ctggggaaga	atgcaacgaa	ggacgatgtt	cgacagaaaa	6960
134	tggcagaatt	ggaggacatg	gaggaggagt	tgtttgttga	acctgctttc	ttcacctcgt	7020
135	tgaagacag	gtttccagg	ctgggtggaac	atgttgagat	cctgcccagg	aacatggaag	7080
136	ctgtgaatga	gctcagtgcg	tatcgatatg	ccgctgttgt	gcacgttcgg	ggttcacttg	7140
137	gagatgagct	tgtgcttccg	gttgagaaa	atgactggat	cgactttcaa	gcgaatcaat	7200
138	tgaaccagaa	gtcactgggt	gaccttctca	agtcttcaga	tgtctctatc	atggcagtca	7260
139	gcaaaaattcc	tttcgaaatc	acggcctttg	aaagacaggt	cgctcgcttc	ctcaatagca	7320
140	acatcgatga	gtggcagcta	tcaaccattc	ggtccagcgc	cgagggcgac	tcatcactat	7380
141	ccgttcccga	catctttcgc	attgctgggg	aagccgggtt	ccgtgtcgag	gtcagttctg	7440
142	cacgacagtg	gtctcagaat	ggtgcattgg	acgtgttttt	ccatcattgt	tgtctccaa	7500
143	ggcgtaactc	ggtcaacttt	cctacggacc	atcaccttcg	agggctctgat	ctcctcacca	7560
144	atcgaccctt	tcagcgactg	caaaaccgtc	gtatcgccat	cgaagtccgc	gagaggcttc	7620

PAGE: 4

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/482,788

DATE: 02/08/2000
TIME: 14:19:30

Input Set: I482788.RAW

145	ggtccttact	tccatcgtag	atgatcccat	cgaacatcgt	tggtctggac	aagatgcctc	7680
146	tcaacgcca	tggtaaagt	gaccggaag	aactctctcg	cagggcaaa	gttgtagcga	7740
147	agcagcagac	agcagcgccg	ttaccgacat	ttcccatcag	tgaggctgaa	gtcattcttt	7800
148	gcgaagaagc	cactgagggt	tttggcatga	agggtgacat	taccgatcac	ttcttcaatc	7860
149	tcggtggaca	ctctctcttg	gccacgaagc	tcatttctcg	tatcgacca	cgactcaagg	7920
150	tccgtatcac	tgtcaaggat	gtctttgacc	atcctgtatt	tgcggtacta	gcatctgtca	7980
151	tccgtcaagg	gctgggtttg	caacaaccgc	tttctgatgg	tcagggacaa	gacagatctg	8040
152	cccacatggc	accccgtagc	gagactgaag	ctatactctg	tgatgagttt	gcaaagggtc	8100
153	tgggtgtcca	agtcgggatt	acagacaatt	tctttgatct	tggtgggtcat	tcactcatgg	8160
154	ctactaaact	cgctgtgcgc	atcggacatc	gacttgacac	gactgtttcg	gtgaaggatg	8220
155	ttttcgatca	tcctgtactc	ttccaacttg	caattgcatt	ggataaactg	gttcaatcca	8280
156	agaccaatga	gatagttgga	ggtagagaaa	tggtgaata	ctcacctttc	caactcctct	8340
157	ttacagaaga	cccagaggag	tttatggcga	gcgagatcaa	gccacaactt	gagttacagg	8400
158	aaatcattca	agacatatat	ccgtctaccc	agatgcagaa	ggctttcctc	ttcgatcaca	8460
159	caactgcgcg	cccagacctt	ttcgtgccgt	tctacatcga	cttccccagc	acttccgagc	8520
160	ctgatgctgc	aggtctaata	aaggcttgcg	agtctctggt	aaatcatctt	gacatcttca	8580
161	gaacagtctt	tgagaggcca	tctggagaac	tataccaagt	ggctctgtcc	tgtcttgatc	8640
162	tgccaatcca	agtgattgag	acagaagaca	acatcaatac	ggcgacaaat	gagtttctcg	8700
163	atgagtttgc	gaaagagcca	gttcgtctgg	gacatccgtt	gattcgtttt	acaatcatca	8760
164	aacaaaccaa	gtcgatgcgt	gtgataatga	gaatatcgca	tgccctgtat	gatggctctga	8820
165	gtctagagca	tgtcgtgcgc	aaacttcaca	tgctctacaa	cgggagatca	cttttgccac	8880
166	cacaccaatt	ctcgcggtac	atgcagtata	ctgctgacgg	tcgcgaaagt	ggacatggat	8940
167	tttggcgcg	tgtgattcaa	aatacgccca	tgacaatatt	gagtgatgac	acggttggtg	9000
168	atggaaatga	tgcaacctgc	aaggcgttgc	acctatcaaa	gattgtcaat	attccttcac	9060
169	aggtagctcg	aggcagcagt	aacatcatta	ctcaagctac	tgtgtttaac	gcagcctgcg	9120
170	cgtagtctct	gtcacgggaa	tctgactcga	aagacgttgt	ctttggacgc	atcgtctctg	9180
171	gtcgtcaagg	cttgccgtgt	gaataccagg	acattgtcgg	gccttgtagc	aacgcagttc	9240
172	ctgttcgcgc	tcataatag	tcgtcagatt	acaaccaatt	gctgcacgac	atccaagacc	9300
173	agtaccttct	cagcttgcca	cacgaaccaa	ttggcttctc	agatctcaag	cgcaactgta	9360
174	cagattggcc	agaagcaatc	accaacttct	catgctgcat	cacataccac	aatttcgagt	9420
175	accatcccga	gagtcagttc	gaacagcaga	gagttgagat	gggtgtattg	acaaagtttg	9480
176	tcaacattga	gatggatgag	ccactatatg	atttgccgat	tgccggtgaa	gttgaaccag	9540
177	acggagcagg	actgaagggt	actgttatcg	cgaagacgca	gttatttggt	aggaagagag	9600
178	tagaacatct	gttgagggaa	gtttccaaaa	cgtttgaggg	tctcaactct	ttttgttaac	9660
179	gcacgggttg	gtctcaatcg	tcgcgacaga	acaaccgatg	taggtttgta	attcttaatg	9720
180	acgtctttga	ctttttggtt	tttaccattc	ggagcaaaata	gtaagcagaa	cactggcaaa	9780
181	tgtcagatat	tacacttcag	aactattatc	ttgactatta	tctcacgttg	tcagctttca	9840
182	catgcttgct	acgttcgatc	gagtcaaaaa	ttgagatcta	cagggtaacg	caggaatcca	9900
183	gaacaattga	caaggattca	tcgatcgaa	actatgattg	gttcgcgtct	ctgacaggac	9960
184	catttggtcca	ataatagaag	tatagataag	atatgcgagg	aatgcgacaa	ggattggaac	10020
185	tatccgagtc	agcttgatct	agtccctaaa	cagtaaatag	ctcgcgcttc	ttcggttcg	10080
186	ctttgggtga	tgaattatca	tagtttggtg	tgcaagaag	aacgatgatg	acagcttgta	10140
187	ttttggatat	atataagttc	ataaagggtat	gactcttgat	atgatcaaat	tagaaacaat	10200
188	accttgacaa	tattgtgttc	caacattaca	caacacttga	acgggacact	cyttcaacat	10260
189	caacacaatg	gatctgtcca	acaaagctgc	ctaccttgct	agtcccaatg	ggcccaccat	10320
190	cgaagtcaga	tctgcacctg	ttccaacacc	tggttcagga	gagttgctta	tcaagacaca	10380
191	tgctgtcgcc	atcaatccag	tcgacggagt	gaagcagtc	atgggtaaca	tgatgtttga	10440
192	atggctcaag	tatcctctca	tccttggtga	cgatgtcgct	ggcgagggtca	tcaagacggg	10500
193	acctgggtgt	agtcgattta	aagaaggcga	tagagttgtg	ggtgctacag	caggcatgga	10560
194	caagcgagga	agaagtcccg	acgaaggcgc	atttcaagaa	gtttgcatca	tgcgagagca	10620

PAGE: 5

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/482,788

DATE: 02/08/2000
TIME: 14:19:30

Input Set: I482788.RAW

```

195      tttggctgct cgaattccag agcgtgttac gtccaccgat gccagcgttt tgccctctgac 10680
196      tttcgtcacg gctgcatgtg ccttggtcca aaaggatcaa ctggcactac aactacctca 10740
197      aaccaagtca aagcgagtg caacaagtca gacagtcttg gtttggggag cgagtacaag 10800
198      tgttgggaga aatgctgtac agcttgctgt cgcgccggc tatgatgttg tcgcgacagc 10860
199      atcacctaag aactgggata tcgtacgcgg tctcggcgt tgtgcagttt ttgactatca 10920
200      cagctcatcg gccataaacg atgtggtatc tgctttcaag gacaagaaat gcgcaggtgc 10980
201      tgtagctatt ggtcaagggg cactggcgaa atgcgtcgac attgtcaaaa gcgttccggg 11040
202      agccaccaag aatggtgcgc aagttaccct ctcaatgcct gagtcacagc caacaaccaa 11100
203      gatatccatg attccgtttg tcgcaaagta tttctggatg gcgggaactg atcgactcaa 11160
204      gggtgcgagc agtggagtcc aaagcaagtt tgtttttggg acagacataa tt 11212

```

205 <210> SEQ ID NO 2

206 <211> LENGTH: 3129

207 <212> TYPE: PRT

208 <213> ORGANISM: Fusarium

209 <400> SEQUENCE: 2

```

210      Met Glu Tyr Leu Thr Ala Val Asp Gly Arg Gln Asp Leu Pro Pro Thr
211      1          5          10          15
212      Pro Ala Ser Phe Cys Ser His Gly Asp Ser Pro Leu Asn Ser Ser Tyr
213      20          25          30
214      Glu Gln Leu Phe His Leu Tyr Gly Leu Asp Ser Ser Arg Ile Glu Ala
215      35          40          45
216      Ile Lys Pro Cys Thr Pro Phe Gln Leu Asp Met Ile Asp Cys Asn Ala
217      50          55          60
218      Leu Asp Lys Gln Ser Ala Ile Gly His Ala Val Tyr Asp Val Pro Thr
219      65          70          75          80
220      Asp Ile Asp Ile Ser Arg Phe Ala Leu Ala Trp Lys Glu Ile Val Asn
221      85          90          95
222      Gln Thr Pro Ala Leu Arg Ala Phe Ala Phe Thr Ser Asp Ser Gly Lys
223      100         105         110
224      Thr Ser Gln Val Ile Leu Lys Asp Ser Phe Val Phe Ser Trp Met Cys
225      115         120         125
226      Trp Ser Ser Ser Ser Ser Pro Asp Glu Val Val Arg Asp Glu Ala Ala
227      130         135         140
228      Ala Ala Ala Ser Gly Pro Arg Cys Asn Arg Phe Val Leu Leu Glu Asp
229      145         150         155         160
230      Met Gln Thr Lys Lys Cys Gln Leu Val Trp Thr Phe Ser His Ala Leu
231      165         170         175
232      Val Asp Val Thr Phe Gln Gln Arg Val Leu Ser Arg Val Phe Ala Ala
233      180         185         190
234      Tyr Lys His Glu Lys Asp Thr His Arg Pro Glu Thr Pro Glu Ser Ser
235      195         200         205
236      Asp Ala Thr Asp Thr Asp Ser Gln Ser Val Ser Val Val Ser Met Ser
237      210         215         220
238      Cys Glu Asp Asn Ala Val Ser Ala Thr His Phe Trp Gln Thr His Leu
239      225         230         235         240
240      Asn Asp Leu Asn Ala Ser Val Phe Pro His Leu Ser Asp His Leu Met
241      245         250         255
242      Val Pro Asn Pro Thr Thr Thr Ala Glu His Arg Ile Thr Phe Pro Leu
243      260         265         270
244      Ser Gln Lys Ala Leu Ser Asn Ser Ala Ile Cys Arg Thr Ala Leu Ser

```

PAGE: 6

VERIFICATION SUMMARY
PATENT APPLICATION US/09/482,788

DATE: 02/08/2000
TIME: 14:19:30

Input Set: I482788.RAW

Line ? Error/Warning

Original Text
